

PATENT ABSTRACTS OF JAPAN

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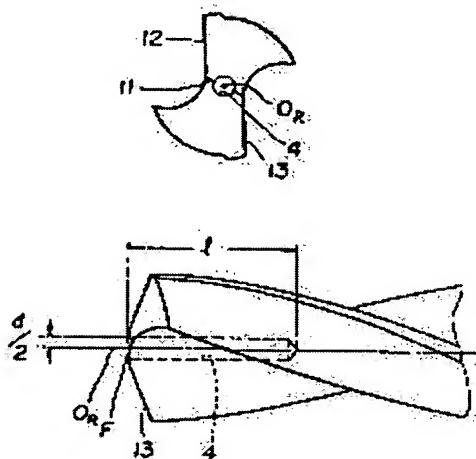
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(54) DRILL

(57)Abstract:

PURPOSE: To decrease a thrust load applied to a drill at drilling, by providing a long hole axially in the point end central part of a drill of solid type.

CONSTITUTION: A cylindrical round hole 4 is provided in such a manner as to divide a chisel edge 11 from a point end part F in the edge part with cutting edges 12, 13 of a drill toward the side of its shank. The round hole 4 is provided along the axial line of a drill main body not to leave a column shaped core part in a drilled hole. Depth 1 of the round hole is set to such a value that regrinding can be performed a suitable number of times. Substantial length of the chisel edge 11 with a large negative rake angle can be decreased by the provided round hole 4, thus a thrust load applied from that portion can be widely reduced.



LEGAL STATUS

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